

HINCKLEY KNITTING MILLS
21-35 East Wister Street
Philadelphia
Philadelphia County
Pennsylvania

HAER No. PA-212

HAER
PA
SI-PHILA,
708-

PHOTOGRAPHS

WRITTEN HISTORIC AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
MID-ATLANTIC REGION, NATIONAL PARK SERVICE
DEPARTMENT OF THE INTERIOR
PHILADELPHIA, PENNSYLVANIA 19106

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HISTORIC AMERICAN ENGINEERING RECORD
Hinckley Knitting Mills

HAER No. PA-212

Location:

21-35 East Wister Street (also occupying a portion of the block north toward Collom Street), Philadelphia, Philadelphia County, Pennsylvania.

Present Owner:

Greater Germantown Housing Development Corporation.

Present Use:

Vacant.

Significance:

The Hinckley Knitting Mills represented the historical development of the textile industry in Germantown, which was a nationally significant center of textile production in the nineteenth and early twentieth centuries. Started in 1840 by the son of an immigrant English weaver with two knitting machines, the Hinckley Knitting Mills became the largest textile operation in Germantown by 1850 and in Philadelphia by 1860. The mill complex, one of the earliest textile operations in Germantown, was noted for its hosiery and fancy knits.

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Project Information:

The Hinckley Knitting Mill complex (now a part of the Germantown Dye Works complex) along with a vacant lot located at the northeast corner of Germantown and Wister Streets are scheduled for a three-phase project involving the construction of a commercial center, housing for the elderly and affordable town houses. The existing industrial complex structures will be demolished and all construction will be new. Developed by the Greater Germantown Housing Development Corporation, a non-profit organization, the commercial center will be called Freedom Square and the housing for the elderly called Elders Place. Elders Place will occupy the Hinckley Knitting Mill site.

Martin Abbott
Todd Cleveland
Kise Franks & Straw
219 North Broad Street
Philadelphia, Pennsylvania

Sara Jane Elk
Philadelphia Historical
Commission
City of Philadelphia
Philadelphia, Pennsylvania

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Philadelphia has long been identified as the nineteenth-century center of textile manufacturing, in which the Hinckley Knitting Mills played an important roll. The textile industry was comprised of various facets, including: knit goods, hosiery, carpets, worsted goods, cotton, woolens, silk, dyeing, and upholstery. The center of Philadelphia's early textile industry was within a region of the city known as Germantown. Germantown's textile reputation began in the 1830s and was directly linked to the transatlantic migration of English weavers, principally from the districts of Nottingham and Leicester. This migration continued for a half-century, enhancing Germantown's reputation as well as transforming the pre-revolutionary village into an important industrial center. In one particular decade, the 1870s, the population of Germantown increased 43 percent. This dramatic increase was the result of both suburban development and the growth of the textile industry - in 1880, over 3,000 persons were employed in 56 establishments.

Approximately half of the parcel dedicated to the proposed Freedom Square/Elders Place development was once the site of two separate textile establishments. Hinckley Knitting Mills, established in 1840 by Aaron Jones, prospered for a half-century as one of the more successful textile firms in Germantown, specializing in hosiery and fancy knit goods. Its buildings were later absorbed into the Daniel F. Waters Germantown Dye Works, located adjacent to the Hinckley Mills to the east. Founded in 1863 by William Mills, the Dye Works lasted well into the twentieth century. Only two of the Hinckley Knitting Mills' structures remain from the knitting mills' early era, a stable and a warehouse.

Aaron Jones, the founder of the Hinckley Mills, was born in Peckleton, Leicestershire, England in 1807. At the age of 25, he left England for Germantown, to join his father, a weaver who had migrated a few years earlier and to establish a hosiery shop. His father was among the earliest English weavers in Germantown to start a business, and Aaron initially worked in the shop. Soon, Aaron became responsible for sales, traveling the state to find customers. In 1834, Aaron's father sold his machinery to Thomas Fisher, proprietor of the Wakefield Mills, Fisher's Hollow, Germantown, under the arrangement that he would superintend the mills. But when the elder Jones died, Aaron stepped into his place and became manager of the Wakefield Mills.

Aaron held this position for six years, expanding the capacity and production of Wakefield, which was one of the few incorporated mills in antebellum Pennsylvania. In 1840, Jones started his own enterprise, with two knitting machines, in a small mill with an adjacent house. In 1841, Aaron Jones purchased a parcel from the Columbia Fire Engine and Hose Company of Germantown, expanding his property. This would be the eventual site of his hosiery and fancy knit goods establishment. By 1850, Aaron Jones employed a workforce of 265, with a capital of \$7,000.¹ These figures far exceed comparable Germantown

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hosiers in 1850; the closest competitor employed 27 with a capital of \$3,000. However, Jones' business was based on outwork contracts, particularly handloom, whereby a weaver would contract with Jones for work. City-wide, in 1850, Hinckley Knitting Mills had the fourth largest workforce among textile firms. However, a large workforce did not necessarily ensure long-time prosperity; by the advent of the Civil War, Hinckley's larger competitors were out of business.

Between 1850 and 1860, steam replaced hand-powered looms at Jones' mill. Prior to the introduction of steam, Jones, as an outwork contractor, did not require a large complex to house his workforce, since a large majority of the total output was done by the weaver at home. As a result of the installation of state of the art machinery, the workforce of the Hinckley Knitting Mills had shrunk to 65 by 1860 but the capital had risen to \$25,000.² Jones' firm matured under the steam transformation, outproducing the handworkers of the past. The transformation to steam manifested itself in the physical composition of the mills; buildings were soon erected to house the latest machinery as well as the various components of the new, centralized process.

The Civil War abetted the Germantown hosiery industry, which supplied the troops with blankets, tents, uniforms, etc. Hinckley Knitting Mills bid successfully and garnered large orders, particularly distinguishing itself among Philadelphia firms by netting an order for 165,000 pairs of woolen stockings to the New York depot,³ one of the three principal supply stations for the Union troops. In 1866, Aaron Jones, Sr., admitted his three sons, Thomas, Aaron, Jr., and John E. Jones, into partnership with him. The establishment prospered with the younger generation running the business; in 1876, the value of goods manufactured was estimated at \$300,000 per annum.⁴ Hinckley's workforce burgeoned during this period as well, employing 250 in 1879.⁵ Because the parcels that comprised the Hinckley Knitting Mills were bought under Aaron's wife's name, when she died in 1879, the property title was transferred to Aaron's three sons.

In September 1897, the Hinckley Knitting Mills passed from the Joneses to Johnathan M. Schwehm, who dealt in hair cloth and upholstery. The 1900 listing in the City Directory for this site is "Jno. M. Schwehm & Sons (Jno. M., Harry J., Ernest)." When the elder Schwehm died in 1917, the sons inherited the business. The Schwehms sold the parcel in 1958, ending 61 years of ownership. No substantive information was found concerning this establishment during the Schwehm period. In 1959, the parcel and factory buildings were sold to D. F. Waters and Sons and the Hinckley Mills was incorporated into the adjacent Germantown Dye Works, owned and operated by the Waters.

It seems that the mill also provided worker housing adjacent to the factory on Collom Street. These three-story brick rowhouses appear on the 1879 and 1881 Hexamer insurance maps, but are no longer part of the mill property. Most of the mill complex, including the four-story, 186 foot-long mill building, the dye houses, press stop, engine room, offices, and other ancilliary buildings were demolished in the 1950s. Only the three-story warehouse and two-story stable remain from the

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mill's period of significance from 1840 to 1897 under Joneses proprietorship. The evolution of the Hinckley Knitting Mills has been cited by historian Philip Scranton, as representative of the establishment and growth of a Germantown textile business.⁶

Footnotes

1. Philip Scranton, Proprietary Capitalism, The Textile Manufacture at Philadelphia, 1800-1885 (Cambridge: Cambridge University Press, 1983), 181.
2. Ibid., 231.
3. Ibid., 286.
4. Daniel Robson, editor, Manufactures and Manufacturers of Pennsylvania of the Nineteenth Century (Philadelphia: Galaxy Publishing Company, 1875), 316.
5. E. Hexamer, Map of Hinckley Knitting Mills, Aaron Jones' Sons (Philadelphia, 1879).
6. Scranton, 233.
7. Lorin Blodget, Census of Manufactures of Philadelphia, 1883 (Philadelphia, Dickson & Gilling, 1883), 88.
8. Deed Book TG.257:281. Philadelphia Recorder of Deeds.
9. Deed Book WMG.56:33. Philadelphia Recorder of Deeds.
10. Obituary, "The Philadelphia Inquirer" (October 12, 1953).

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Chain of Title - Hinckley Knitting Mills

April 3, 1733	Cunrad Cunrads, husbandman, executor of Mathias Cunrads to John Jansen, weaver. Seven acres. Deed Book G.2:536.
April 23, 1734	John Jansen, weaver, to Jacob Weiss, brass button maker. Seven acres. Deed Book G.2:534.
June 3, 1765	Joseph Whitehouse, mason and John Weiss, practitioner in "Physick and Surgery" (son and heir of Jacob Weiss, brazier) to Joseph Swift, merchant. Six acres, 138 square perches. Deed Book G.532.
March 2, 1795	Joseph Swift, merchant to George Dannehower, miller. Three acres. Deed Book EF.14:179.
March 18, 1799	George Dannehower and Charles Dannebower, millers, to Frederick Warner, harness maker. \$529.52. Deed Book D.74:319.
June 20, 1811	Margaret Warner, executor of Frederick Warner, to Adam Keppel, baker. \$240. Deed Book GHF.19:387.
March 1822	Dorothy Keppel, executor of Adam Keppel, to Johnathon Wentz, miller. \$1,546.78 Deed Book GH.3:158.
April 1837	Henry Scheetz, executor of Johnathon Wentz, to Charles M. Pastorius. \$906. Deed Book GHF.13:332.
December 1837	Charles M. Pastorius and John M. Bockius to John Jacob Straub, baker.

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\$1,200.
Deed Book GHF.13:332.

September 1941	John Jacob Straub, baker, to Jacob Kaupp Deed Book KLL.24:691.
May 2, 1864	Jacob Kaupp to Elizabeth Jones (wife of Aaron). Deed Book LRB.24:554.

The deed search revealed numerous properties, that became part of the Hinckley Knitting Mills, being processed to Elizabeth Jones, wife of Aaron Jones. Another is:

March 10, 1863	Christian Esau to John Jacob Straub. Deed Book ABH.82:346
April 21, 1864	John Jacob Straub to Elizabeth Jones. Deed Book LRB.24:432.

One of the few places where Aaron Jones is listed as the purchaser, in place of Elizabeth, is very early in his proprietorship:

May 8, 1841	Columbia Fire Engine and Hose Company of Germantown to Aaron Jones. Deed Book JAH.141:551.
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The various parcels gathered by the Joneses over the years are summed up in Deed Book LW.10:338, dated February 10, 1879 - "Aaron Jones, et al, executors, etc. to Thomas Jones, et al". Continuing:

September 1, 1897	Thomas Jones, et ux, et al to John M. Schwehm. \$ 50,000. Deed Book WMG.197:393.
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John M. Schwehm died on January 10, 1917 and transferred the proprietorship of the Hinckley Knitting Mills to his two sons, Harry and Ernest.

February 13, 1958	Ernest Schwehm to Jack and Natalie Lessey. Deed Book CAB.753:310.
July 2, 1959	Jack and Natalie Lessey to Daniel F. Waters and Sons. Deed Book CAB.1112:585.
June 26, 1981	D. F. Waters & Sons, Inc. to Gene Minnick. Deed Book EFP.241:461.

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August 23, 1983	Gene Minnick to Gilbert A. and Mary Ann Natale.
December 8, 1983	Gilbert A. and Mary Ann Natale to Mary Ann Natale. Deed Book FHS.132:241.
June 9, 1989	Mary Ann Natale to the Greater Germantown Housing Development Corporation. Deed Book: D.1371:209.

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Hexamer, E. Wm. Mills & Sons', Dye Works. Philadelphia: 1878.

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Fig. 1. Locus Map

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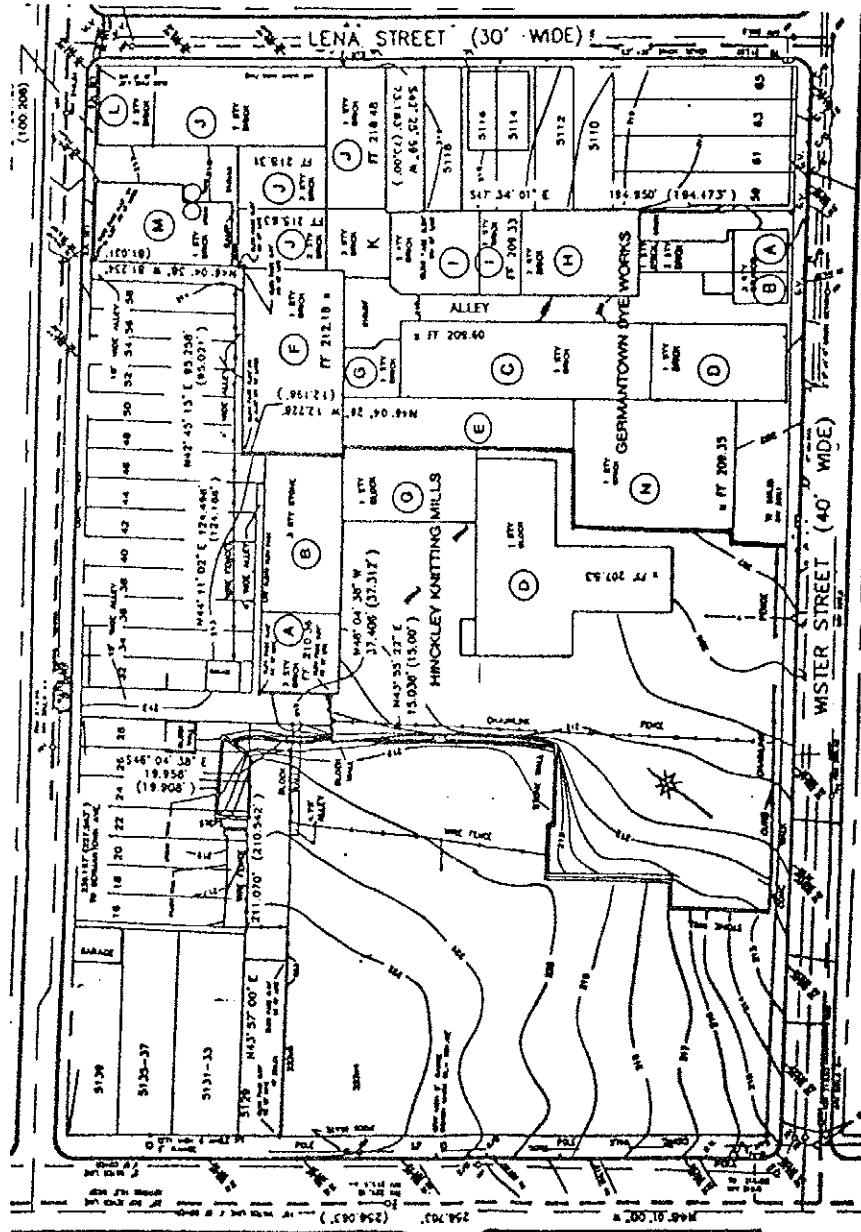


Fig. 2. Location of Hinckley Knitting Mills and Germantown Dye Works (James M. Stewart, Inc. Land Surveyors)

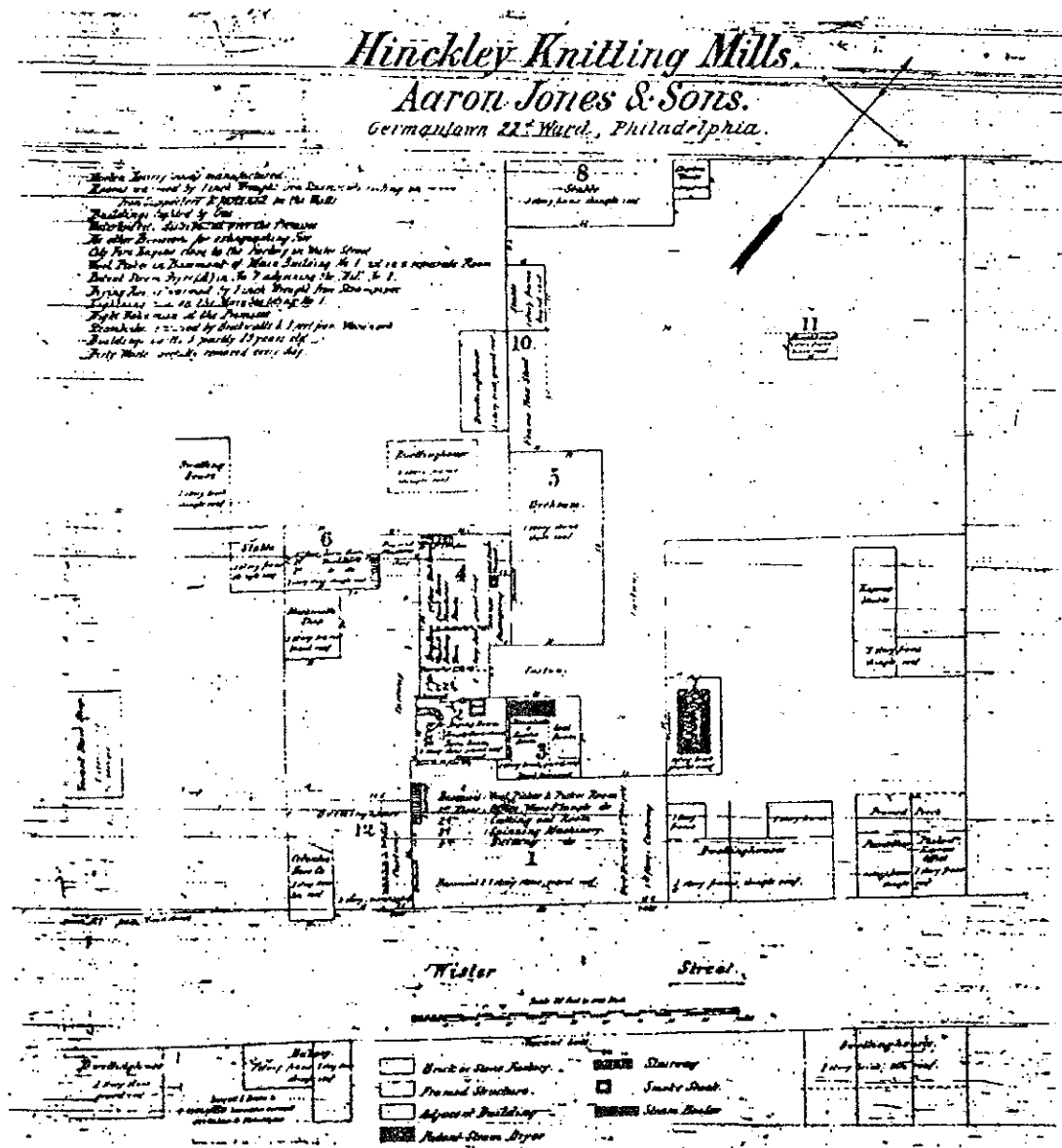


Fig. 3. Hexamer, E. Hinckley Knitting Mills, Aaron Jones & Sons.
Philadelphia: circa 1866. Plate 156.

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*Wm. Mills & Son,
Dye Works,
Germantown, 22d Ward, Philadelphia.*

Materials: Dry and Dry Cotton, and Water For...
Said Steam: Dyeing Cotton, and Water For...
Excess: 10 tons, (20 tons, 1 day.)

Designed By, 1875.
L. H. H. H.

Overview: The Mills & Son, Dye Works...
Main: The Mills & Son, Dye Works...
Add: The Mills & Son, Dye Works...
Water: Water supply built 1875...
Lumber: Lumber...
Concrete: Concrete...
Foundations: Foundations...
Roofs: Roofs...
Walls: Walls...
Floors: Floors...
Stairs: Stairs...
Windows: Windows...
Doors: Doors...
Ventilation: Ventilation...
Lighting: Lighting...
Heating: Heating...
Water: Water...
Steam: Steam...
Excess: Excess...

Overview: The Mills & Son, Dye Works...
Main: The Mills & Son, Dye Works...
Add: The Mills & Son, Dye Works...
Water: Water supply built 1875...
Lumber: Lumber...
Concrete: Concrete...
Foundations: Foundations...
Roofs: Roofs...
Walls: Walls...
Floors: Floors...
Stairs: Stairs...
Windows: Windows...
Doors: Doors...
Ventilation: Ventilation...
Lighting: Lighting...
Heating: Heating...
Water: Water...
Steam: Steam...
Excess: Excess...

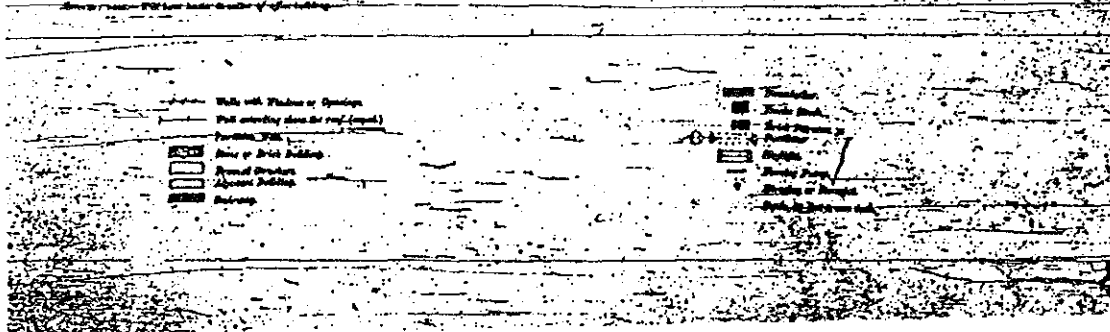


Fig. 4. Hexamer, E. Wm. Mills & Son, Dye Works. Philadelphia:
1875. Plate 925.

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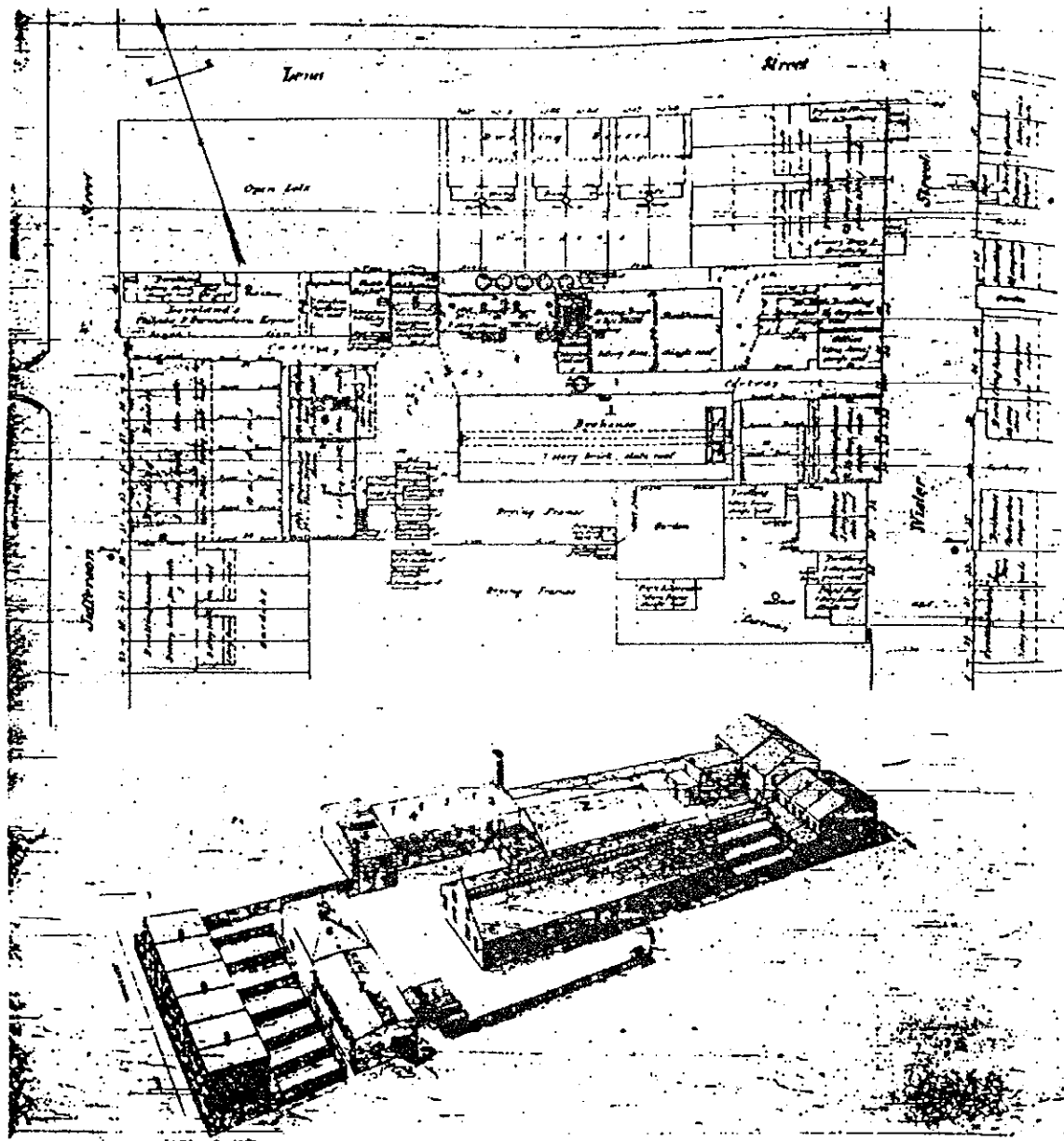


Fig. 5. Hexamer, E. Wm. Mills & Son, Dye Works. Philadelphia:
1875. Plate 926.

Wm. Mills & Sons
Dye Works,

MANUFACTURE: Dry and Dry Cotton and Woolen Yarn.
Raw States: Output Cotton and Woolen Yarn. Dry and Dry sometimes small quantity
of raw cotton, never more than 15 or 20 pounds of a bale.
Export: 81 bonds, (Shore, 3 days).

Enlist North, 4/72

E. Bremer,
401 Walnut St., Phila.

OWNER: No. Miller
 OCCUPATION: by the owner
 NAME: No. Miller and Sons' Door Works
 ADD: No. 1 and 1/2' and other building on Water street erected 1872—No. 3, 4 and No. 3627; dwelling house on Water street built 1841—No. 3 erected 1846—No. 1 built 1871—No. 3627 built on Water street erected 1865—No. 3627 built on Jefferson street built 1870 and 1871—No. 3 erected 1875.
 MATERIALS: obtained between Water and Jefferson, most of Lime stone, Occasional Philadelphia Pa—
 CONSTRUCTION: good; buildings erected in a substantial manner—Lime and no. North side of No. 1—
 CONSTRUCTION: FRAMING: No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 79

WOOD CEILINGING: on wood shavings made on the premises.
 HEATING: Burns woodchip by 1" wrought iron steampipe running on iron. No. 1 not
 worked.
 STOVE: Coloured iron heater in cellar of office building. — 1 cast iron stove in 1st story
 of No. 1 well pitched.
 LIGHTING: Burns kerosene by gas, supply from city gas works.
 WATERWORKS: 1 Night watchman constantly on the premises.
 WATERWORKS: none.
 ROOFING: based on joist placed by brick walls, to proper distance of wood works.
 EMBER STAKE: of pine, plastered inside, rising 10 feet above the roof of No. 1.
 STAIR: Ratchet bar: for small steam engine connected with the wheels. — 1 horsepower each.
 ELEVATOR: 3 wooden wheels of No. 2 for carrying of the gas from the cells.
 PUMP: 1 horse-power small.
 CELL: open all round on machinery, one barrel kept at a time in explosion No. 1.
 ACID: 16 carboys of acid, put of nitric and muriatic acids kept in a house under shed
 14 feet of No. 1.
 DYEING: DYEING: done by steam.
 BLENDING: no BLENDING: none.
 DYEING: From 1875 to 1881 in No. 2, with wooden floor and ceiling painted to be
 strong, heated by 1" wrought iron steampipe, running on iron pillars and brick chim.
 — Two dyes by atmospheric air in 1st story of No. 2, with wooden floor and ceiling
 all painted. — Dyeing rooms in No. 4 with two old floors, iron pillars, iron stairs
 and, and iron shed communicating with the 1st story of No. 1. — Dyeing rooms
 warmed by natural heat of steam boiler and by sheet iron flue in 1st story.
 CONDENSER: on the place.
 PREPARATION FOR EXHIBITION: PAINT.
 PAINT: 1 block of green paint serving pump (G) in No. 2, not expressly for anticorrosion
 for wall and 1/2" have condensation. — Pump supplied by wall-G) under surface, and
 also connected with city main. — Paving pump supplying boilers and waterworks to
 one of the two.
 WATERWORKS: 1 iron waterpump in No. 2, with 2 1/2" cast-iron 3" outlets used for supplying
 1/2" pipe. — System of pipes and outlets shown on plan.
 TANK: 100 gal. for No. 1. — 100 gal. tank attached to pump.
 STAIN: No. 1.
 WATERWORKS: 1 1/2" waterworks in 1st story of No. 1, supplied by city waterworks
 and pumping pump. — Waterworks supplying the system and steam boiler.
 TANK: 100 gal. in 1st story, 100 gal. in 2nd story, 100 gal. in 3rd story, 100 gal. in 4th story,
 and 100 gal. in 5th story, and 100 gal. in 6th story.
 DYE: 100 gal. in 1st story, 100 gal. in 2nd story, 100 gal. in 3rd story, 100 gal. in 4th story,
 100 gal. in 5th story, 100 gal. in 6th story, 100 gal. in 7th story, 100 gal. in 8th story,
 100 gal. in 9th story, 100 gal. in 10th story, 100 gal. in 11th story, 100 gal. in 12th story,
 100 gal. in 13th story, 100 gal. in 14th story, 100 gal. in 15th story, 100 gal. in 16th story,
 100 gal. in 17th story, 100 gal. in 18th story, 100 gal. in 19th story, 100 gal. in 20th story,
 100 gal. in 21st story, 100 gal. in 22nd story, 100 gal. in 23rd story, 100 gal. in 24th story,
 100 gal. in 25th story, 100 gal. in 26th story, 100 gal. in 27th story, 100 gal. in 28th story,
 100 gal. in 29th story, 100 gal. in 30th story, 100 gal. in 31st story, 100 gal. in 32nd story,
 100 gal. in 33rd story, 100 gal. in 34th story, 100 gal. in 35th story, 100 gal. in 36th story,
 100 gal. in 37th story, 100 gal. in 38th story, 100 gal. in 39th story, 100 gal. in 40th story,
 100 gal. in 41st story, 100 gal. in 42nd story, 100 gal. in 43rd story, 100 gal. in 44th story,
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Wall without windows or openings (blank).
Wall with windows or openings.
Wall extending above the roof (cupola).
Parapet Wall.
Steel or Brick Building.
Framed Structure.
Adjacent Building.
Stairway.

REPAIRS - Reproduction.
✓ Audio Booth
REPAIR - In Job Performance
REPAIR - Toolboxes.
REPAIR - Shoppers.
REPAIR - Drying Pump.
REPAIR - Hoisting.
REPAIR - Scale 20 And Is one truck.

Fig. 6. Hexamer, E. Wm. Mills & Sons', Dye Works.
Philadelphia: 1878. Plate 1240.

HINCKLEY KNITTING MILLS
HAER No. PA-212 (Page 17)

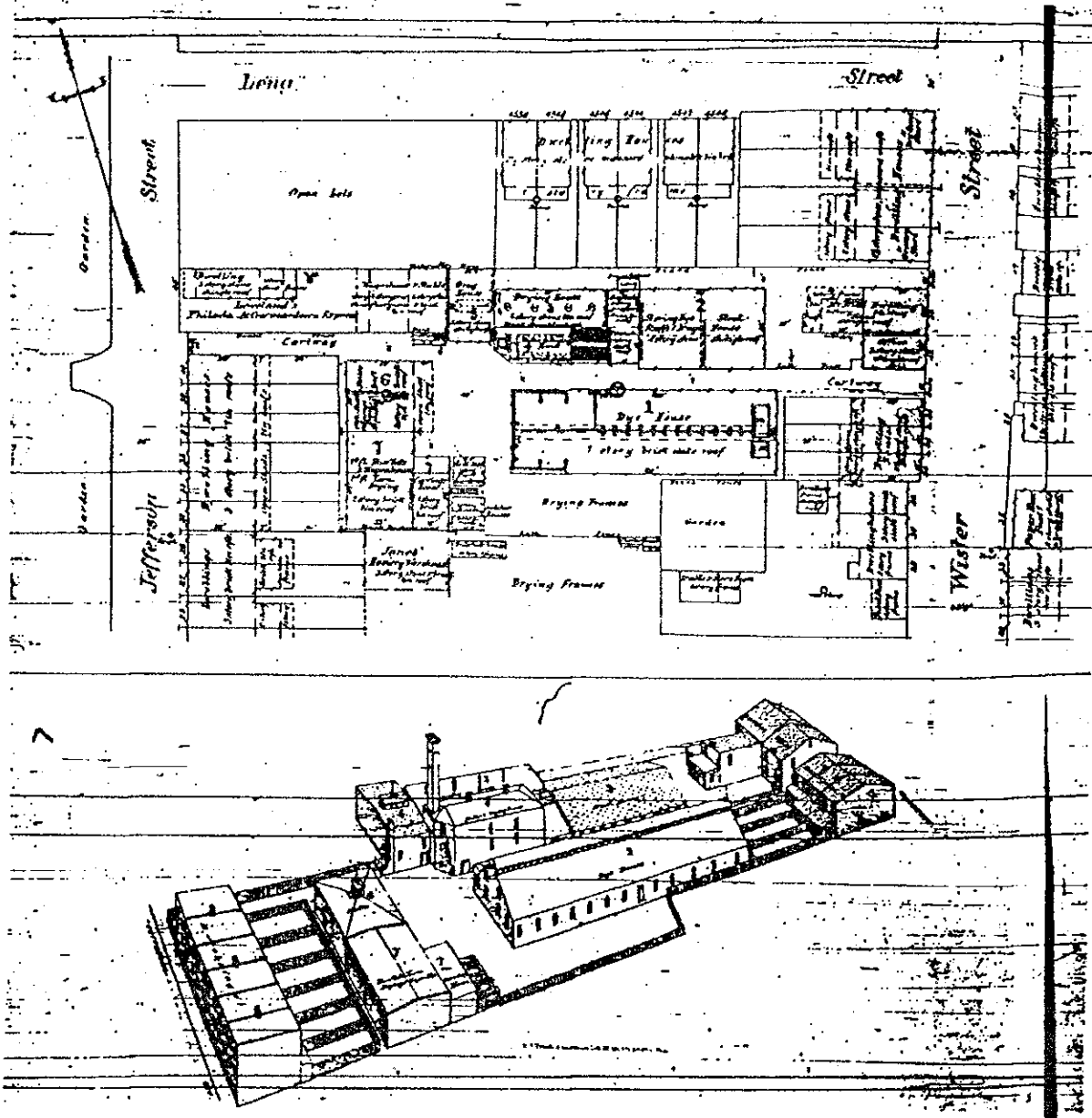


Fig. 7. Hexamer, E. Wm. Mills & Sons', Dye Works.
 Philadelphia: 1878. Plate 1241.

Hinckley Knitting Mills,
Aaron Jones' Sons,
Germantown, 22d Ward, Philadelphia.

MAINTAINED — Fencing and Outside and Watertown.
KILN TRACK — Wood, Cobble, Trench and Walled Trench. No Collar Splicing. — 17th
portion of Block, 1 column, 1 wall.
ELEVATION — 250 heads (50 men, 10 boys, 100 girls).
Surveyed March, 1879.
E. B. BAKER,
275 Walnut Street, Phila.

OUTSIDE — Aaron Jones' Sons.
SUPERINTENDED — By the owners.
KILN — Hinckley Knitting Mills.
AGE — Business started in 1819. No. 1 erected 1862, extended 1867. No. 2 and 3 built
1878. No. 4 erected 1883. No. 5 built 1878. No. 6 erected 1883.
LOCATION — Situated between 17th and 18th streets, 15th Street, of Main street,
Germantown, 22d Ward, Philadelphia, Pa.
CONSTRUCTION — General.
CONSTRUCTIONS — Buildings Nos. 1, 2, 3 and 4 adjoining and communicating by open-
ings or wooden doors.
FLOOR — Stone.
HEIGHT — No. 1, 8'—10'—10'—10'—10' and 12'. No. 2, 10'—10'—10'—10' and 12'.
No. 3, 10'—10'—10'—10'—10' and 12'. No. 4, 10'—10'—10'—10'—10' and 12'.
No. 5, 10'—10'—10'—10'—10' and 12'. No. 6, 10'—10'—10'—10'—10' and 12'.
LENS — No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
WALLS — No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
ROOF — As per plan.
COLLARS — In basement of No. 1. (North of cartway) of iron. — Other columns of wood,
of sufficient thickness.
GUTTERS — Chiefly of wood.
CORNICES — Brick cornice on No. 10. — Wood board cornice on No. 3 and in dwelling
houses. — Cornice of No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
SCUTTER — In roof of No. 1 and 10 and ladders to them.
POOR — None. — Open wooden bridge from 3d story of No. 1 to 3d story of No. 10 with
wooden door at each end.
LADDERS — No permanent ladders attached to the buildings.
TOWER — None. — Wooden cupola on roof of No. 1.
LIGHTING — On No. 1, 2, 3 and on the dwelling houses (see notes); will have panels
on all buildings.
FLOORS — 11" yellow pine flooring boards, not arranged for flooring. — Brick floor in
bottle room. — Wooden plank flooring in dyehouse and wash.
WINDOWS — As per plan and view.
SHEDS — Located as per plan, of wood, raised.
ELEVATION — None.
HATCHES — 2 wooden glass hatches at (a, a) in No. 1 communicating with every
story by wooden door. — Open hatchway (b) in No. 10 protected by rolling. — 3 open
hatchways at (c, c) in No. 9 for conveying hay from hay loft to walls. — Open hatch-
way (d) in No. 1 for conveying goods from 3d story.
CHIMNEYS — In office, 1st floor of No. 4 and drying room, 3d floor of No. 4, built and
plastered. — Buried ending in stable, No. 6. — Other endings not finished.
MACHINE SHOP — None.
WOOD — None.
WOOD SHEDS — No wood shavings made on the premises. — No carpenter employed.

HEATING — Rooms warmed by 1" wrought and 5" cast-iron stoves resting on iron.
SYSTEM — 1 cast-iron stove in No. 1 and 1 in basement room, 1st floor of No. 2, well covered.
STOVE — Sound and in good order.
LIGHTING — Rooms lighted by gas, supply from city gasworks. — Open light used. — One
colored gas lantern in stable and carriage house.
WATCHMAN — Night watchman on the premises.
WATCHDOG — No. 1's watchdog with 12 dogs distributed throughout the mills; dogs
required to be driven every hour.
BOLLERS — Located as per plan, enclosed by brick walls, in proper distance of woodwork.
SINKS — Off brick, plastered inside, rising 60 feet above the ground.
STEEL ROLLERS — 2, 15 and 16 horsepower. — Will have one more.
HEATING — Brick heater in 1st floor of No. 1 for heating press plates. — Brick heater in
No. 2 not used.
FUEL — Anthracite coal.
OILS — Lard oil used on wood, 1 barrel kept at a time in No. 10 in basement of No. 1;
lubricating oil used on machinery, 1 barrel kept at a time in the oil in basement of
No. 1.
ACID — 2 in 3 barrels of muriatic acid and oil of vitriol kept outside in the yard.
STEAM OPERATIONS — Done by steam.
STEAM — None.
DISTILLING — Wood dried by steam drying machine in 1st floor of No. 4, fine not into open-
ings in a wooden floor 18" below the iron grating and 30" above the steam pipes.
TERRACE — In 3d story of No. 4, with wooden bath floor and ceiling not finished,
heated by 1" wrought-iron stoves resting on iron. — Turn dried by atmospheric
air in 3d story of No. 4.
PICKER — Well picker and rollers in basement of No. 1; wooden floor in picker room
and ceiling not finished. — One light mechanical used in picker room. — Picker not
allowed to run on a loose pulley.
CRANE — In 3d story of No. 1, not covered. — Open light used in working room.
OCCUPANTS — As per plan.
FURNITURE FOR EXTENSIVE FIRM —
FURNITURE — About 30 galvanized iron fire buckets kept in No. 1 and 2, always filled
with water. — Within 5 miles.
STEAM FURNITURE — As per plan.
CARS IN MACHINERY — Good.
OTHER CONSTRUCTION OF THE PREMISES — Good.
SPECIAL REMARKS — As per plan.
MACHINERY — 1 wood picker, 1 roller, 3 set gears (a) in a set, 3 hand made 1000 spindle
sacks, 3 doblers, 3 rollers, 30 power looms with Jacquards attached, 4 hand looms, 5
bottle makers, 4 spinners, 3 mangle mangle, 4 round frames, 114 circular round heads,
16 tubs, 11 drying machines, 1 tubs, 1 large mangle frame, 12 tubs, 1 mangle
machine, 11 double mangle mangle, 10 hand mangle frames, 10 mangle machines, 1
press, 3 hand presses, 1 mangle, 2 pair rollers, 1 mangle, 30 dyer mangle, 1
tub, 3 rollers, 3 mangle and 1 pump.

— Wall with wire down or openings
— Wall with iron door.
— Wall extending above the roof level.
— Partition wall.

— Double door.
— Hatchway.
— Stairway.
— Driveway.

Fig. 8. Hexamer, E. Hinckley Knitting Mills, Aaron Jones' Sons.
Philadelphia: 1879. Plate 1351.

HAER No. PA-212 (Page 19)

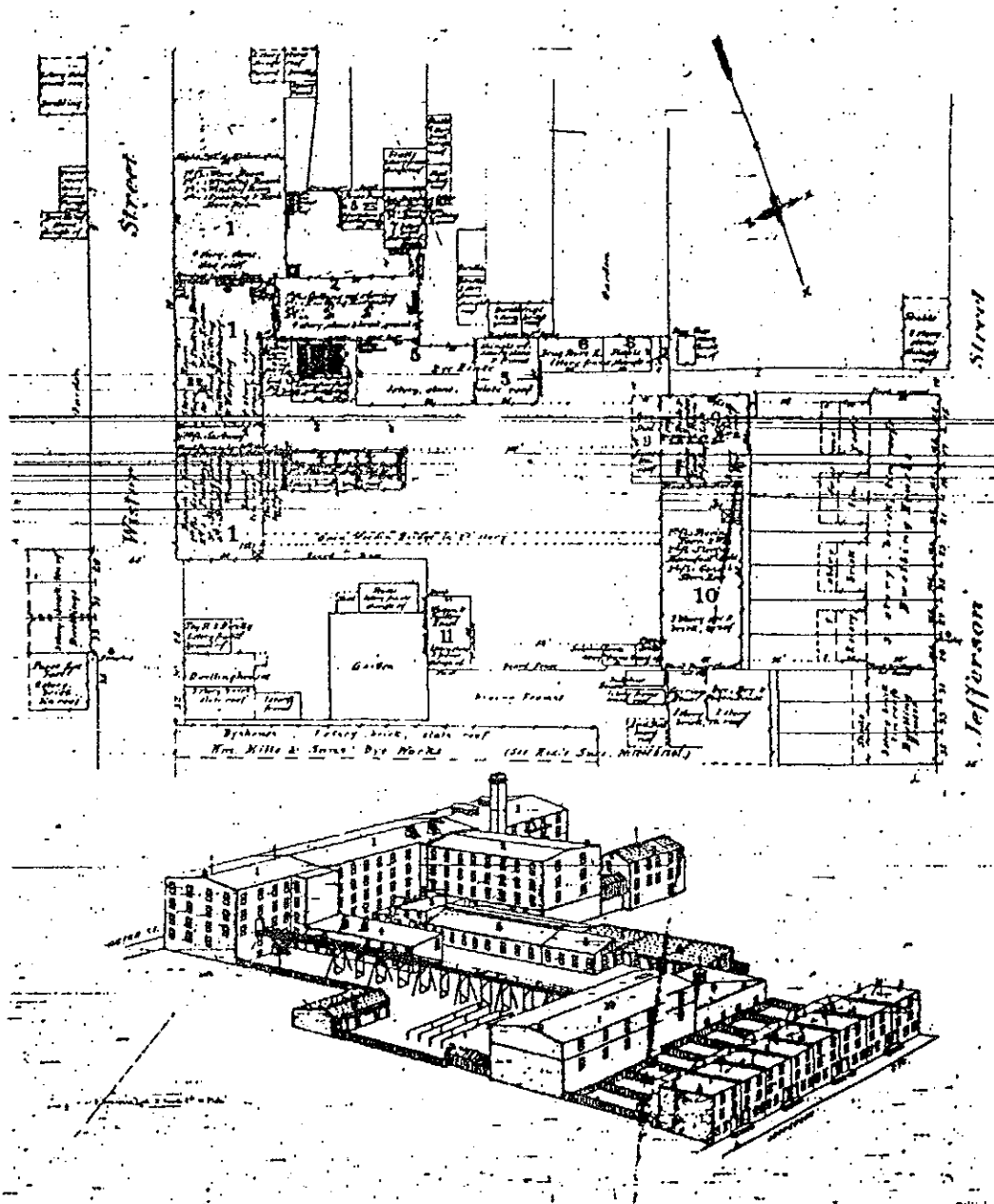


Fig. 9. Hexamer, E. Hinckley Knitting Mills, Aaron Jones' Sons.
Philadelphia: 1879. Plate 1352.

*Hinckley Knitting Mills,
Aaron Jones' Sons,*

Germanstown, 22d Ward, Philadelphia.

MANUFACTURE—Penny Knit Goods and Hosiery—No putting or spinning done on the premises.

RAW STOCK—Woolen, Cotton and Worsted Yarns.

EMPLOYING—250 hands, 100 men, 150 girls.

Record July 1908, 1901.

E. Hexamer.

252 Walnut Street, Philadelphia, Pa.

OWNERS—Aaron Jones' Sons.
SUPERINTENDED—By the owners.
NAME—Hinckley Knitting Mills.
AGE—Business started in 1816. No. 1 erected 1842, extended 1901; and 1854. No. 2 erected 1816. No. 3 erected 1816. No. 4 erected 1816. No. 5 erected 1816. No. 6 erected 1816.
LOCATION—Situated between Fisher and 22d Streets, 250 feet front of Main Street, Germanstown, 22d Ward, Philadelphia, Pa.
CONSTRUCTION—Brick.
COMMUNICATIONS—Buildings Nos. 1, 2, 3 and 4, adjoining and communicating by openings or wooden doors.
POWER—None.
HEIGHT—No. 1, 18'-10" to 19'-10" and 19'-10" to 20'-0". No. 2, 10'-0" to 10'-0" and 10'-0" to 10'-0". No. 3, 9'-0" to 9'-0" and 9'-0" to 9'-0". No. 4, 10'-0" to 10'-0" and 10'-0" to 10'-0". No. 5, 9'-0" to 9'-0" and 9'-0" to 9'-0". No. 6, 10'-0" to 10'-0" and 10'-0" to 10'-0".
LENGTH—No. 1, 34'-0" and 34'-0" to 34'-0" and 34'-0". No. 2, 9'-0" to 9'-0" and 9'-0" to 9'-0". No. 3, 9'-0" to 9'-0" and 9'-0" to 9'-0". No. 4, 10'-0" to 10'-0" and 10'-0" to 10'-0". No. 5, 9'-0" to 9'-0" and 9'-0" to 9'-0". No. 6, 10'-0" to 10'-0" and 10'-0" to 10'-0".
WALLS—No. 1, 14"-16" and 16"-18" to 16"-18" and 16"-18". No. 2, 9"-10" to 9"-10" and 9"-10" to 9"-10". No. 3, 9"-10" to 9"-10" and 9"-10" to 9"-10". No. 4, 10"-12" to 10"-12" and 10"-12" to 10"-12". No. 5, 9"-10" to 9"-10" and 9"-10" to 9"-10". No. 6, 10"-12" to 10"-12" and 10"-12" to 10"-12".
ROOF—do per plan.
COLUMNS—In basement of No. 1 (North of carriage), of iron—Other columns of wood, of 8 inch thickness.
SUTTERS—One by of metal.
CORNER—Brick corner on No. 16. Wood lined corner on No. 2 and on dwelling house. Corners of Nos. 1, 2, 3 and 4, of wood.
SCUTTLE—In the roof of Nos. 1 and 16, and ladders to them.
PORCH—None—Open wooden bridge from 3d story of No. 1 to 3d story of No. 16, with wooden door at each end. Wooden bridge from 3d story of No. 3 to No. 1.
LADDERS—Iron fire escape outside of rear extension, from 1st story to roof with platform on every story.
TOWER—None—Woods cupola on roof of No. 1.
LIGHTNING ROD—On Nos. 1, 2, 3 and on the dwelling house (see note); will have points on all buildings.
FLOORS—18' yellow pine flooring boards, laid arranged for flooding—Brick floor in boiler room. Wooden girders flooring on siphonal and stable.
WINDOWS—do per plan and view.
STAIRWAYS—Located on per plan, of wood, metal.
ELEVATOR—None.
WATCHWAY—1 wooden spiral hatchways at (a, a) in No. 1, communicating with every story by wooden door—Open hatchway (b) in No. 16 protected by railings—5 open hatchways at (c, c) in No. 2 for conveying hay from hay loft to stable—Open hatchway (d) in No. 1 for conveying goods from 3d to 3d story.

CEILING—In Office, 1st floor of No. 1, and drying room, 3d floor of No. 1, lathed and plastered. Hardwood ceiling in stable, No. 2. Other ceilings not finished.
MACHINE SHOP—None.
FORGE—None.
WOOD SHAVINGS—Wood shavings made on the repair shop, in 1st floor of No. 1.
STOVES—2 stoves employed in the repair shop and wood-shed.
HEATING—None—Stoves by 1" wrought-iron steam pipes ending in iron.
STOVES—1 cast-iron stove in No. 1 and 1 in furnace room, 1st floor of No. 2, with chimney.
STOVES—None and in good order.
LIGHTING—None—Lighted by gas, supply from city gas works—Open lighted—One enclosed gas lantern in stable and carriage house.
WATCHMAN—Night watchman on the premises.
WATCHDOG—Dober's watchdog with 15 lbs. distributed throughout the walls, kept required to be driven every hour.
BOILERS—Located on per plan, protected by brick walls in proper distance of wood works.
SMOKE STACK—Of brick, plastered inside, rising 30 feet above the ground.
STEAM ENGINES—Three, Nos. 10 and 3 horsepower.
HEATER—Brick heater in 1st floor of No. 1 for heating press plates.
FUEL—Anthracite Coal.
OILS—Lubricating oil used in machinery, one barrel kept at a time in the can in flag-dory of No. 1.
ACIDS—6 to 10 barrels of muriatic acid and oil of vitriol kept outside in yard.
DYING OPERATIONS—Done by steam.
SIZING—None.
DYEING—First drying room in 3d story of No. 1, with wooden lath floor and ceiling not finished, heated by 1" wrought-iron steam pipes ending in iron. Yarns also dried by atmosphere air in another room in 3d story of No. 1.
OCCUPANCY—do per plan.
PROVISIONS FOR EXTINGUISHING FIRE—
FIRE BUCKETS—About 20 galvanized-iron fire buckets kept in Nos. 1 and 2, always filled.
CITY STEAM FIRE ENGINE—Water 1 1/2 ft. of a mile.
STREET FIREPLUGS—do per plan.
CARE IN MANAGEMENT—Good.
GENERAL CONDITION OF THE PROPERTY—Good.
EXTERNAL EXPOSURES—do per plan.
MACHINERY—70 power looms with 250 spindles attached, 3 hand looms, 3 bobbin winders, 4 quilters, 1 wavy mangle, 2 doblers, 1 rap by machine, 12 bobbin winding machines, 16 hand knitting frames, 24 sewing machines, 1 pump press, 1 hand press, 1 table, 1 pump roller, 1 covering basin, 20 dry mangle, 1 table, 3 balers, 1 engine and 2 pumps, 1 early (under belt) and 1 after (over) roller and 1 after (over) roller, 1 horse frame, 215 corrider round frames, 55 balling frames, 15 double rap and wavy machines, 1 air breaker round frame.

Fig. 10. Hexamer, E. Hinckley Knitting Mills, Aaron Jones' Sons.
Philadelphia: 1881. Plate 1558.

HINCKLEY KNITTING MILLS
HAER No. PA-212 (Page 21)

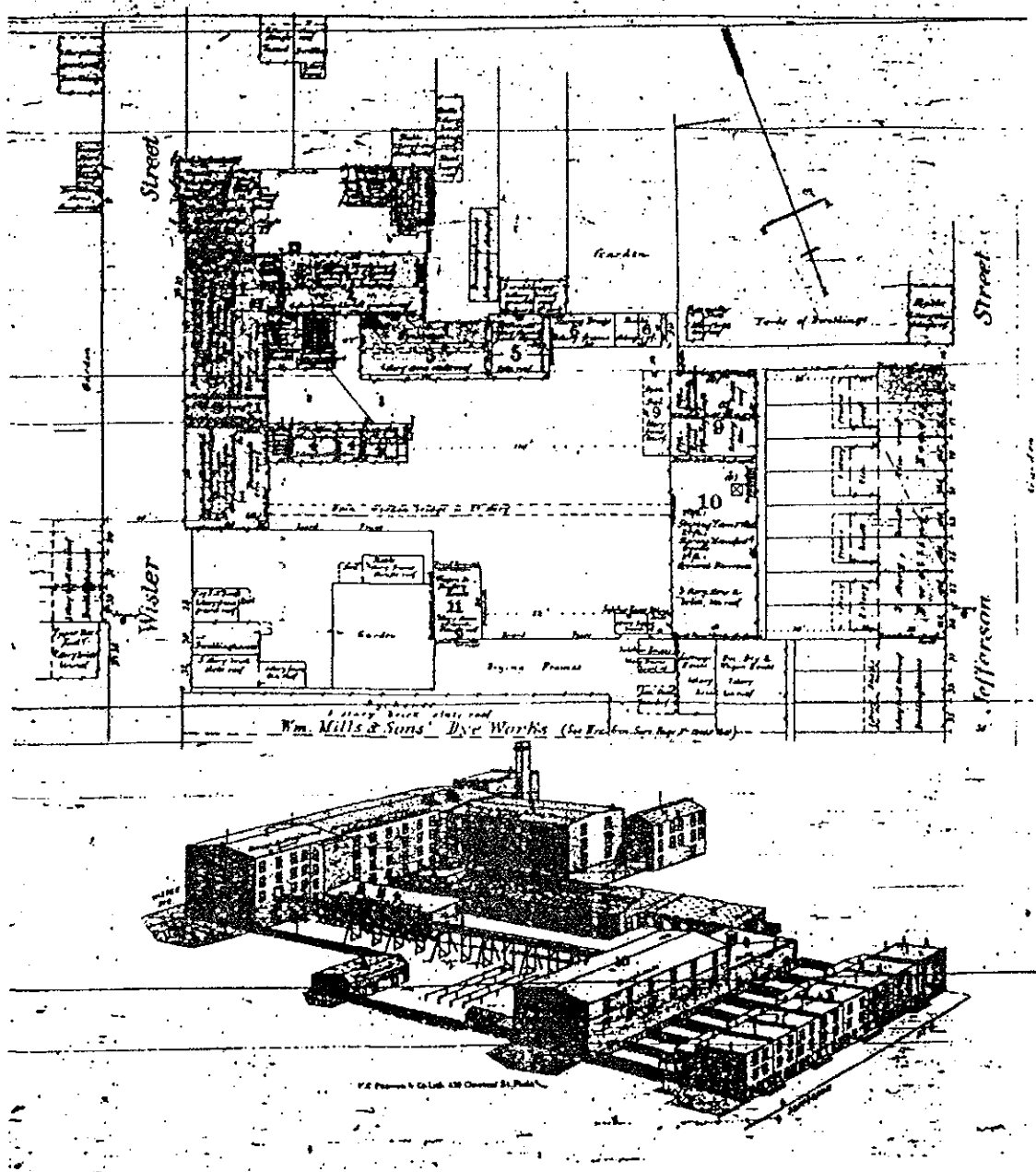
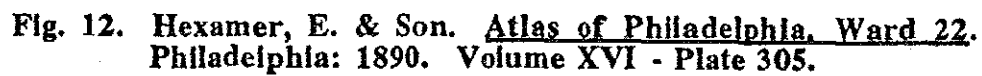


Fig. 11. Hexamer, E. Hinckley Knitting Mills, Aaron Jones' Sons.
Philadelphia: 1881. Plate 1559.

GERMANTOWN AVENUE



HINCKLEY KNITTING MILLS
HAER No. PA-212 (Page 23)

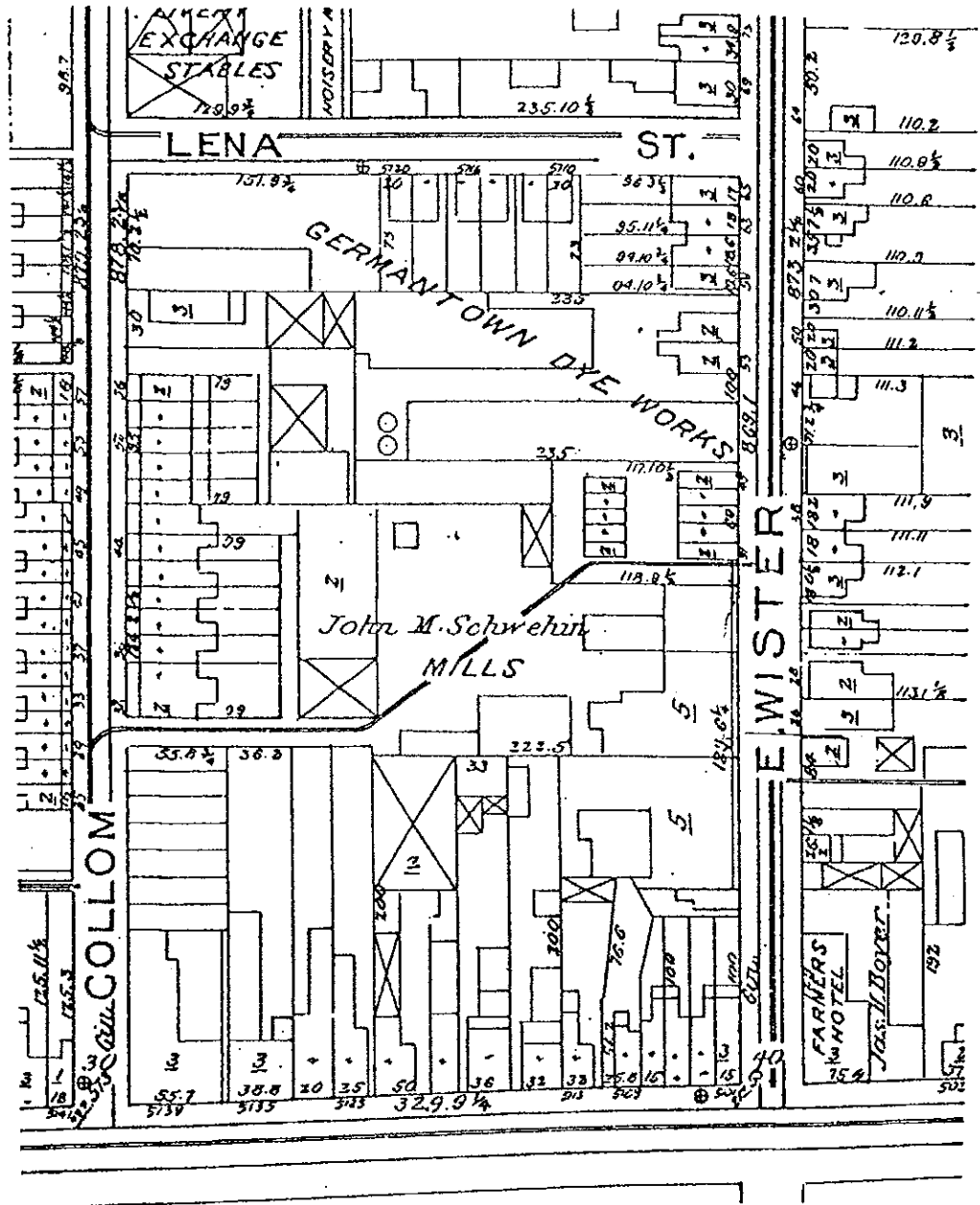


Fig. 13. Smith, J. L. Atlas of the 22nd and 42nd Wards of the City of Philadelphia. Philadelphia: 1906. Plate 4.

HINCKLEY KNITTING MILLS
HAER No. PA-212 (Page 24)

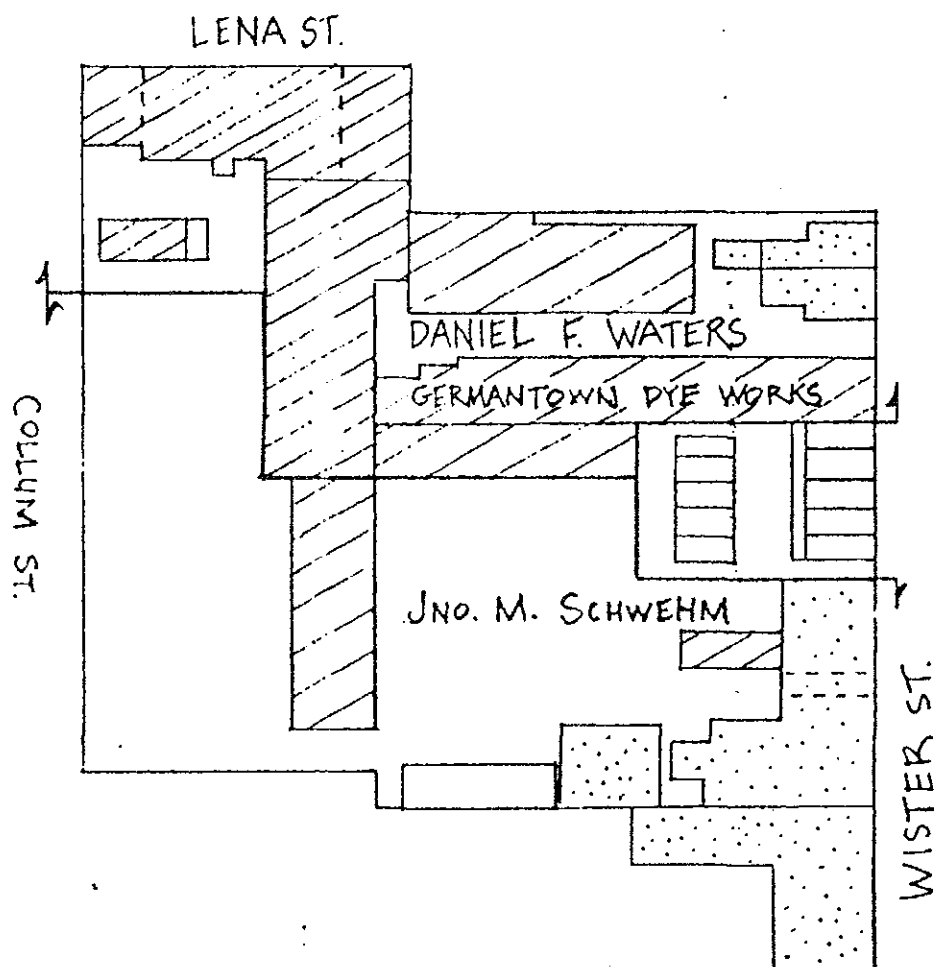


Fig. 14. Bromley. Knitting Mills and Germantown Dye Works,
1911. Plate 2.

HAER No. PA-212 (Page 25)

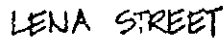


Fig. 15. Hexamer, E. & Son. Germantown Dye Works and Knitting Mill. 1908, revised 1922. Volume XVI. Plate 305.

HINCKLEY KNITTING MILLS
HAER No. PA-212 (Page 26)

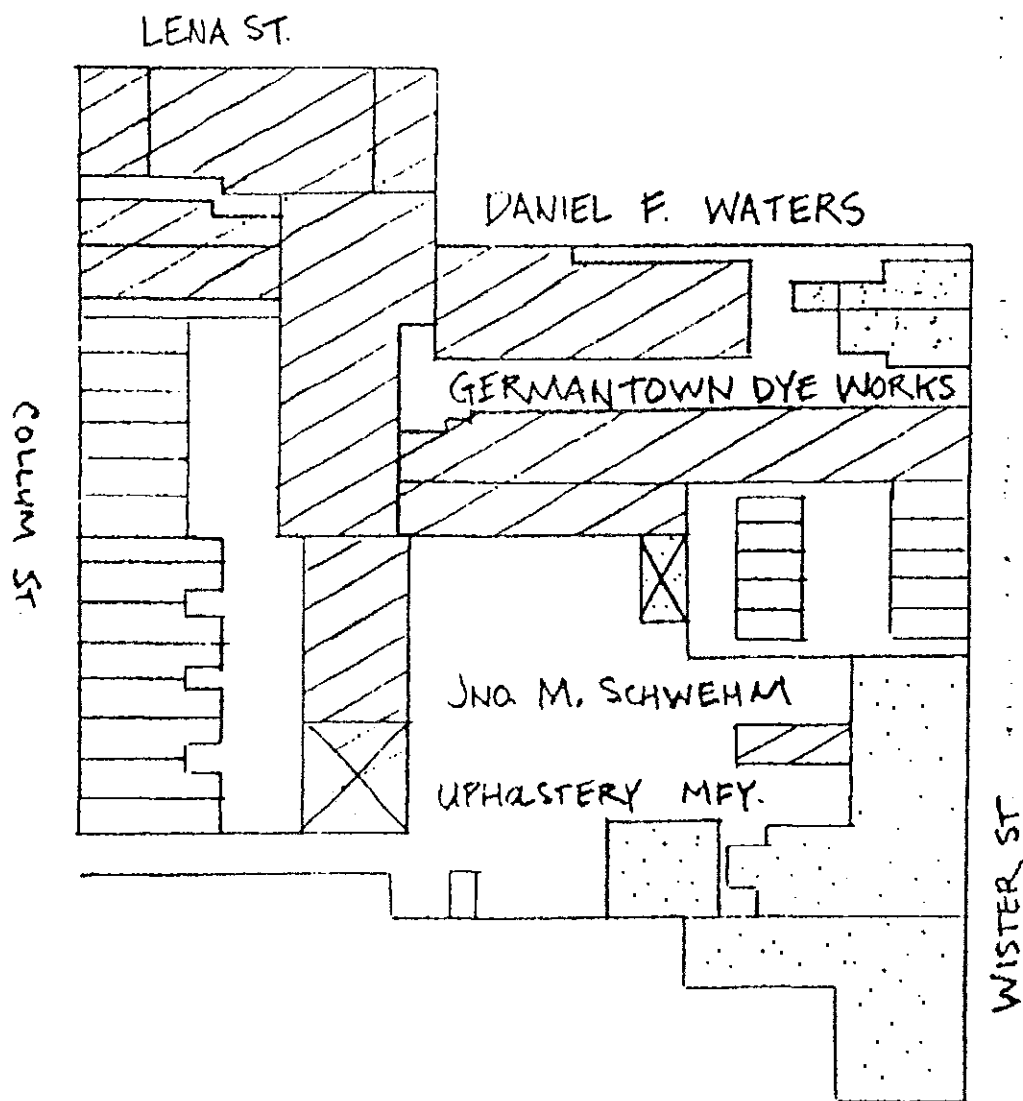
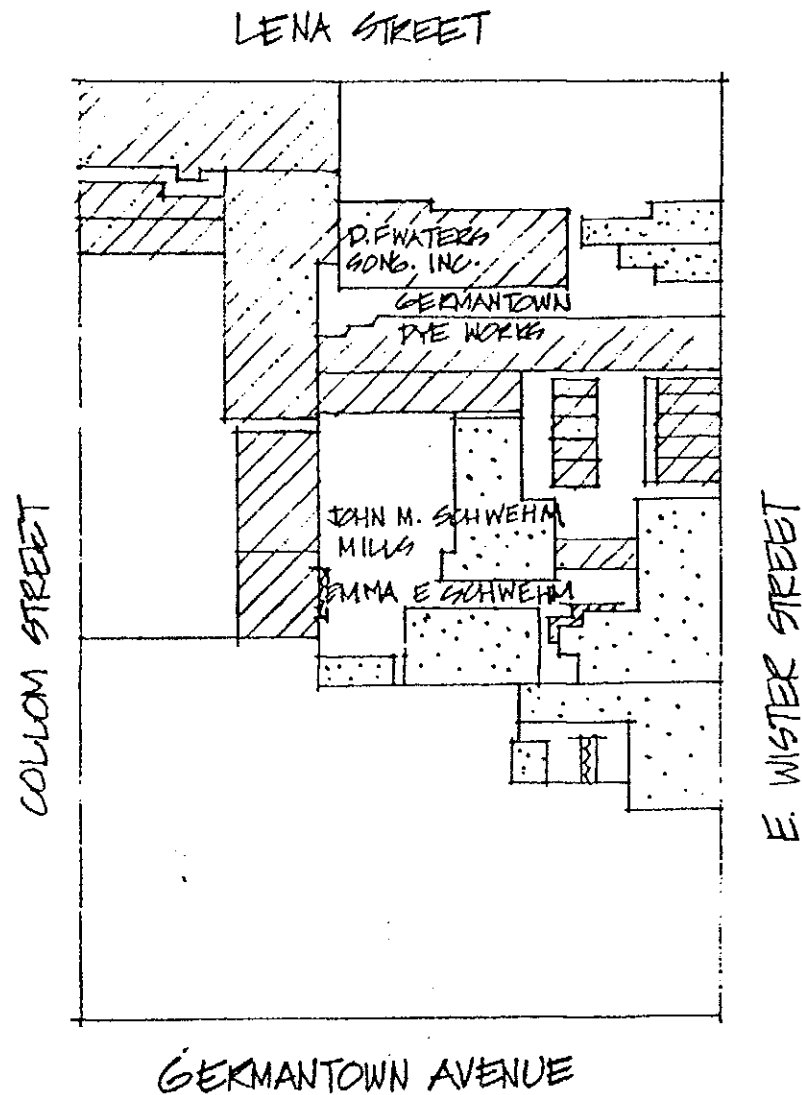


Fig. 16. Bromley. Germantown Dye Works and Knitting Mill,
1923. Plate 2.

HINCKLEY KNITTING MILLS
HAER No. PA-212 (Page 27)



Adapted from
Fig. 17. Franklin Survey Company. Franklin's Property Atlas of
22nd Ward. Philadelphia: 1955. Plate 2.